

G-96
MILLS CULVERT

This structure is a double-barreled, corrugated metal pipe culvert, located in a plug in the L-1 borrow canal about three miles east of Flag Hole Road. The structure is authorized by permit No. 26-00013; however, the District modified the type of structure built under that permit

PURPOSE

This structure permits the creation of an impoundment in the L-1 borrow canal during the dry season. It also permits discharge of flash floods during the dry season.

OPERATION

This structure will be operated to maintain an optimum stage of 17.2 during the dry season (about Oct. 15 to May 15). If this stage cannot be maintained with all stop logs removed, the culverts could be removed. During the wet season the structure will be operated with boards removed as needed.

DESCRIPTION

Type: Corrugated metal pipe culverts with upstream (west) control.

Number of barrels: 2

Size of barrels: 66 inch

Length of barrels: 40 feet

Flow line elevation: #1 (South) 7.28 feet

#2 (North) 7.85 feet

Diameter of Riser: 96 inches

Top of Riser (Reference Point) #1 21.56 feet

#2 21.48 feet

Water Level which will by-pass structure 18.74 feet

Control: Discharge is controlled by stop logs placed in a
CMP riser pipe on the west end of the structure.

Stop Logs:

Number per barrel: 17

Size: 7.5" X 2.5" X 47.75"

ELEVATION OF CONTROL WEIR:

Number of Boards in Place	Elevation of Weir Crest (feet)	
	South #2	North #1
0	7.28	7.85
1	7.91	8.48
2	8.53	9.10
3	9.16	9.73
4	9.78	10.35
5	10.41	10.98
6	11.03	11.60
7	11.66	12.23
8	12.28	12.85
9	12.91	13.48
10	13.53	14.10
11	14.16	14.73
12	14.78	15.53
13	15.41	15.98
14	16.03	16.60
15	16.66	17.23
16	17.28	17.85
17	17.91	18.48

Note: Elevation is theoretical. Use actual measurement.

ACCESS: From intersection of L-1 and Flag Hole Road via 3½ miles of road on top of L-1 or from intersection of L-1 and SR 832 via seven miles of road on top of L-1.

HYDROLOGIC AND HYDRAULIC MEASUREMENTS

Water Levels: Upstream and downstream staff gauges

DEWATERING FACILITIES None